

AMENDMENTS TO THE CLAIMS

The following is a complete, marked-up listing of revised claims with a status identifier in parenthesis, underlined text indicating insertions, and strike through and/or double-bracketed text indicating deletions.

LISTING OF CLAIMS

1. (Currently Amended) A recording medium having a data structure for managing playback control of video data having multiple reproduction paths, comprising:

a data area storing a stream file including the video data;

a playlist area storing a first playlist file and a second playlist file including at least one playitem identifying a playing interval in a clip of the video data respectively, the first and second playlist files identifying video data of different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

a navigation area storing a navigation file including first and second navigation segments, the first navigation segment and the second navigation segment including a first navigation command and a second navigation command launching the first playlist file and the second playlist file ~~by using a first navigation command and a second navigation command~~, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data, where the stream file, the first and second playlist files, and the navigation file are separate from each other.

2. (Previously Presented) The recording medium of claim 1, wherein the multiple reproduction paths constitute a branch structure.

3. (Previously Presented) The recording medium of claim 2, wherein a branch point of the branch structure is a boundary of the playlist file.

4-6. (Canceled)

7. (Previously Presented) The recording medium of claim 1, further comprising:

a clip information file area [[for]]storing at least one clip information file associated with the stream file.

8-12. (Canceled)

13. (Currently Amended) A method of recording a data structure for managing playback control of video data having multiple reproduction paths recorded on a recording medium, comprising:

recording a stream file including the video data in a data area of the recording medium;

recording a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

recording a navigation file including a first and second navigation segments in a navigation area of the recording medium, the first navigation segment and the second navigation segment including a first navigation command and a second navigation command launching the first playlist file and the second playlist file ~~by using a first~~

~~navigation command and a second navigation command~~, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data, where the stream file, the first and second playlist files, and the navigation file are separate from each other.

14. (Currently Amended) A method of reproducing a data structure for managing playback control of video data having multiple reproduction paths recorded in a recording medium, comprising:

reproducing a stream file of the video data from a data area of the recording medium

reproducing a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively from in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip; and

reproducing a navigation file including a first and a second navigation segments from a navigation area of the recording medium, the first navigation segment and the second navigation segment including a first navigation command and a second navigation command launching the first playlist file and the second playlist file ~~by using a first navigation command and a second navigation command~~ respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data, where the stream file, the first and second playlist files, and the navigation file are separate from each other.

15. (Currently Amended) An apparatus for recording a data structure for managing playback control of video data having multiple reproduction paths recorded on a recording medium, comprising:

a pickup configured to record a stream file of the video data in a data area of the recording medium;

a controller configured to control the pickup to record a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip, and to record a navigation file including a first and a second navigation segments in a navigation area of the recording medium, the first navigation segment and the second navigation segment including a first navigation command and a second navigation command launching the first playlist file and the second playlist file ~~by using a first navigation command and a second navigation command,~~ respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data, where the stream file, the first and second playlist files, and the navigation file are separate from each other.

16. (Currently Amended) An apparatus for reproducing a data structure for managing playback control of video data having multiple reproduction paths recorded in a recording medium, comprising:

a pickup configured to reproduce a stream file of the video data from a data area of the recording medium; and

a controller configured to control the pickup to reproduce a first playlist file and a second playlist file including at least one playitem identifying a playing interval in the stream file respectively from in a playlist area of the recording medium, the first and second playlist files identifying video data having different reproduction paths from each other, and the playing interval including an IN-point and OUT-point indicating positions of the clip, and to reproduce a navigation file including first and second navigation segments from a navigation area of the recording medium, the first navigation segment and the second navigation segment including a first navigation command and a second navigation command[[,]] launching the first playlist file and the second playlist file ~~by using a first navigation command and a second navigation command~~, respectively such that the first navigation segment and the second navigation segment represent different reproduction paths of a title of the video data, where the stream file, the first and second playlist files, and the navigation file are separate from each other.

17. (Previously Presented) The method of claim 13, wherein the multiple reproduction paths constitute a branch structure.

18. (Previously Presented) The method of claim 13, wherein a branch point of the branch structure is a boundary of the playlist file.

19. (Canceled)

20. (Previously Presented) The method of claim 14, wherein the multiple reproduction paths constitute a branch structure.

21. (Previously Presented) The method of claim 14, wherein a branch point of the branch structure is a boundary of the playlist file.

22. (Canceled)

23. (Previously Presented) The apparatus of claim 15, wherein the multiple reproduction paths constitute a branch structure.

24. (Canceled)

25. (Previously Presented) The apparatus of claim 16, wherein the multiple reproduction paths constitute a branch structure.

26. (Canceled)